

MPM1D

Work Period  
The LineWorkbook  
p97-99 q 1-10  
p. 95, & 96

Mar 26-8:21 AM


$$y = mx + b$$

$$y = 3x - 2$$

Identify  
 $m = 3$   
 $b = -2$

$$y = -\frac{2}{5}x$$

$$m = -\frac{2}{5}$$

$$b = 0$$


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Find the Equation

10 b) perpendicular to  $\frac{3}{2}x + 2 = y$   
 and a y int of  $-2$

$\frac{+3}{2} \Rightarrow -\frac{2}{3}$

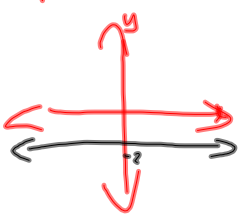
$y = mx + b$   
 $m = -\frac{2}{3}$   
 $b = -2$

-ve reciprocal

$$y = -\frac{2}{3}x - 2$$

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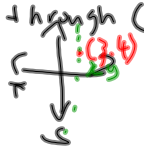
parallel to x axis but y of  $-2$



$$y = 0x - 2$$

$$y = -2$$

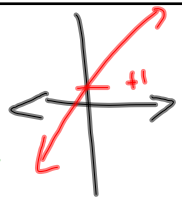
Eqn of a Vertical Line that passes through  $(3, 4)$



$$x = 3$$

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2a)



$y = mx + 1$

$(+1, +3)$   
 $x, y$

$3 = m(1) + 1$

$3 = 1m + 1$

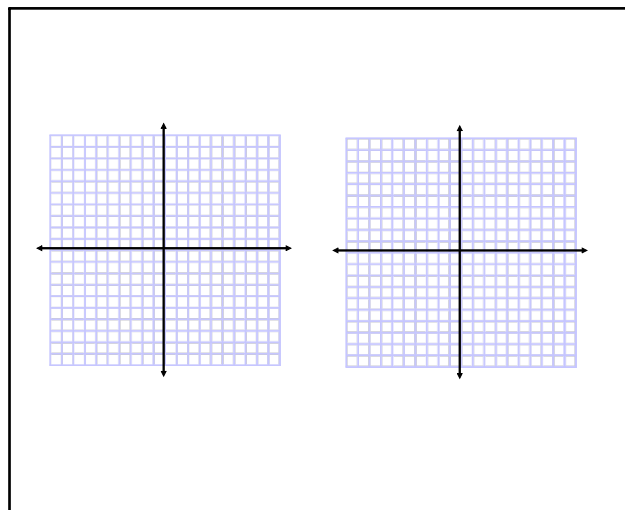
$3 - 1 = 1m$

$2 = 1m$

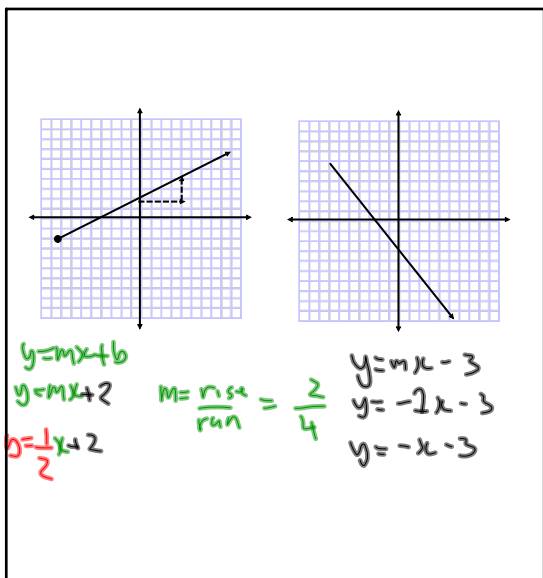
$2 = m$

$y = 2x + 1$

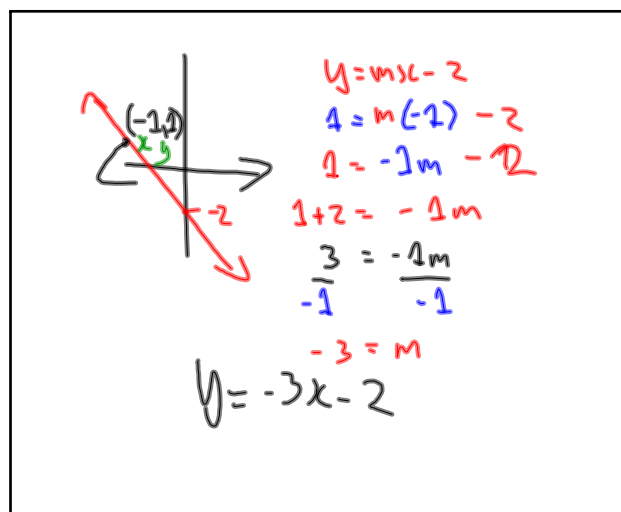
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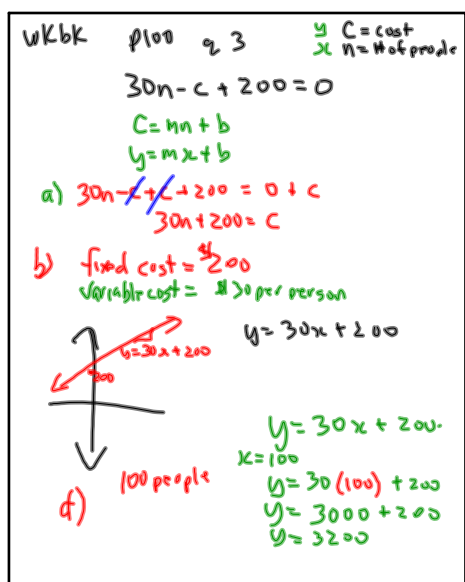
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